
TLR2 (2D6) Antibody

Subcategory: Mouse Monoclonal Antibody

Cat. No.: 252950

Unit: 0.1 ml

Description:

TLR2 (Toll-like receptor 2) participates in the innate immune response to microbial agents. Toll-like receptor family (TLR) has a fundamental role in pathogen recognition and activation of innate immunity. TLRs are highly conserved from *Drosophila* to humans and share structural and functional similarities. TLRs recognize pathogen-associated molecular patterns (PAMP) that are expressed on infectious agents, and mediate the production of cytokines necessary for the development of effective immunity. Toll-like receptor 2 (TLR2) cooperates with LY96 to mediate the innate immune response to bacterial lipoproteins and other microbial cell wall components. TLR2 acts via MYD88 and TRAF6 to lead to NFκB activation, cytokine secretion and inflammatory response. TLR2 is highly expressed in peripheral blood leukocytes, in particular in monocytes, in bone marrow, in lymph node and in spleen. Genetic variations in TLR2 are associated with susceptibility to leprosy, due to *Mycobacterium leprae* infection.

Isotype: Mouse IgG1

Applications: WB

Species Reactivity: H

Format: Each vial contains 0.1 ml ascitic fluid with 0.03% sodium azide.

Alternate Names: Toll-like receptor 2; Toll/interleukin-1 receptor-like protein 4; CD282; TLR2; TIL4

Accession No.: O60603

Antigen: Purified recombinant fragment of human TLR2 expressed in *E. coli*.

Application Notes: WB: 1:200-1:1000

Storage: Store at 4°C for short term use only. Store at -20°C for storage over 1 month. Product is guaranteed 6 months from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.